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P Schatz, D Dietrich... - Nucleic acids research, 2004 - Oxford Univ Press

... Unmethylated DNA was prepared by MDA (**multiple displacement amplification**), a genome-wide amplification method described by Dean et al. (12). For the preparation of mixtures with defined **methylation** states, a portion of this amplificate was treated with SssI as described ...

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J Shendure, RD Mitra, C Varna... - Nature Reviews Genetics, 2004 - nature.com

... This feature is relevant to all technologies, and we should take note that methods for amplifying large DNA molecules by **MULTIPLE-DISPLACEMENT AMPLIFICATION** or **WHOLE-GENOME AMPLIFICATION** are improving rapidly 52, 53 ...

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K De Preter, J Vandesompel, P Heilmann... - Cancer letters, 2003 - Elsevier

... stream applications, such as loss of heterozygosity analysis (LOH), CGH and CGH array analysis, **methylation**-specific PCR, real ... DNA sample, ie degenerate oligonucleotide-primed PCR [14], adaptor ligation mediated PCR [15] and **multiple displacement amplification** based on ...

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KK Mantripragada, PG Buckley, T Diaz de Stahl... - TRENDS in ..., 2004 - Elsevier

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JR Pollack... - nature genetics, 2002 - nature.com

... Genomic DNA may be modified specifically by processes such as **methylation**, and these modifications can further define functional features of the genome. ... DNA **methylation** In many eukaryotes, DNA **methylation** is important for regulating gene expression. ...

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K Gunderson - US Patent App. 20,060/134,650, 2004 - freepatentsonline.com

... isoschizomers can have different reactivity for a site based on presence or absence of a modification such as **methylation** as set ... amplification methods that can be used in a method of the invention include, but are not limited to, **Multiple Displacement Amplification** (MDA) under ...

[Cached](#)[Methylation-sensitive restriction enzyme endonuclease method of whole genome methylation analysis](#)

K Gunderson - US Patent App. 11/019,652, 2004 - Google Patents

... Date: Jun. 22, 2006 (54) **METHYLATION-SENSITIVE RESTRICTION ENZYME ENDONUCLEASE METHOD OF WHOLE GENOME METHYLATION ANALYSIS** (75) Inventor: Kevin Gunderson, Encinitas, CA (US) Correspondence Address: ILLUMINA, INC. ...

[Helicase dependent amplification of nucleic acids](#)

H Kong, M Vincent... - US Patent App. 20,040/066,378, 2003 - freepatentsonline.com

... Recently, RCA has been further developed in a technique, named **Multiple Displacement Amplification** (MDA), which generates a highly uniform ... be subject to modification where individual nucleotides within the nucleic acid are chemically altered (for example, by **methylation**). ...

[Cached](#)[In vitro DNA immortalization and whole genome amplification using libraries generated from randomly fragmented DNA](#)

JH Pinter, T Kurihara, I Sieptsova... - US Patent App. 10/..., 2004 - Google Patents

Page 1. US 20040209299A1 (19) United States (12) Patent Application Publication (10) Pub. No.: US 2004/0209299 A1 Pinter et al. (43) Pub. Date: Oct. 21, 2004 (54) IN VITRO DNA IMMORTALIZATION AND WHOLE GENOME ...

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FB Dean... - US Patent 6,617,137, 2003 - Google Patents

... It was discovered that the target nucleic acids, genomic DNA, for example, need not be denatured for efficient **multiple displacement amplification**. ... Sano et al., Detection of heavy **methylation** in human repetitive DNA subsets by a monoclonal antibody against 5-methylcytosine. ...

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